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Data science for dummies 2nd edition

© 1996-2014, Amazon.com, Inc. or its affiliates Learn: Display, find and report valuable ideas from structured, semi-structured and unstructured data sources Use meaningful visualizations to display and interpret data Use data processing tools like Hadoop(R) and MapReduce Transform your organization's data to a competitive advantage Get a deep insight into your business through data science – this book makes it easy! Big data is a big deal. This book will help you use your power and give your business that a competitive advantage is still important. You'll learn how to manage large amounts of data in hardware and software constraints, combine data sources, provide consistent reporting, and interpret data to tell your company story in a way that's easy to understand. Get a grip on data science - understand what it is, who uses it, and what it can do How big it is - see how big data is defined and how to handle it using MapReduce, Hadoop and alternative solutions It's likely - explore probability and statistics in interpreting your data model ideas - learn about mathematical modeling, fuzzy multiplayer programming and spatial data modeling using statistics Make it visual - learn different types of data visualization techniques and learn how to choose the right style your goal and your ideal technology audience - find out where Python (R), Open Source R, SQL or even Excel(R) can be the tool you need Sky Limit - see how data science can help solve environmental problems, manage e-commerce, and even predict criminal activity Open a workbook and find: Basics of data science Ways to determine big data How business benefits from data regression science and clustering techniques Various visualization options design large dashboards Like data science used in journalism ten free tools and applications for data science Lilian Pearson, P.E. is an entrepreneurial data scientist and professional environmental engineer. She is the founder of Data-Mania, a startup that focuses mainly on web analytics, data-driven growth services, data journalism and data science training services. It also highlights topics of data science, analytics and statistics for well-known organizations such as IBM and UBM. ProgrammingBig DataData ScienceData Science For Dummies, 2th edition Learn how data science can help you get a deep idea of your business – an easy way! The jobs in data science are foreordaic, but few have the data science skills needed to fill these increasingly important roles. Data Science For Dummies is perfect a point for technical work professionals and students who want to quickly see out in all areas of the expansive space of data science. With a focus on business cases, the book explores topics in big data, data science and data engineering, and how these three areas combine to produce production Value. Whether you want to pick up the skills needed to start a new career or initiate a new project, reading this book will help you understand which technologies, programming languages and mathematical techniques to focus on. While this book serves as a wildly fantastic guide through a broad, sometimes intimidating field of big data and data science, it's not an instruction manual for practical implementation. Here's what to expect: Provides background in big data and data engineering before moving on to data science and how it's applied to generate cost Includes coverage of large data frames like Hadoop, MapReduce, Spark, MPP Platform and NoSQL Explains machine learning and many of its algorithms, as well as artificial intelligence and the evolution of Internet of Things data visualization techniques that can be used to demonstrate , summarize and share the data statistics you generate This big, big data world out there – let Data Science For Dummies help you use your power and gain a competitive edge for your organization. Lilian Pearson, P.E. is a data scientist, professional environmental engineer and lead data science consultant for world leaders in information technology, large government and nongovernmental organizations, prestigious media corporations and nonprofit technology groups. Python is a generally accepted programming language that is popular with data scientists. It's free, are are a number of open source libraries that help you buy, organize and process information. This book is designed for beginners to analyze data and covers the basics of python data programming and data analysis statistics. The book covers the python basics needed to analyze data, including objects, functions, modules, and libraries. The book contains the statistical background needed to get started in data science programming, including probability, random distributions, hypothesis testing, trust intervals, and regression model construction for forecasting|| About the author - John Mueller - freelance author and technical editor. He wrote in his blood, making 99 books and more than 600 articles to date. Topics range from network to home security and from database management to programming. During his time at Cubic Corporation, John succumbed to the reliability of engineering and has had an ongoing interest in probability ever since|| Luca Massaron is a data scientist specializing in organizing and interpreting big data and turning it into smart data using the simplest and most effective methods of data intellectual analysis and machine learning. Through his work as a quantitative marketing consultant and marketing researcher, he has been involved in quantitative data since 2000 with different clients and across industries. Luke was able to get in quickly kaggle data scientists. Start Start Review of Data Science For Dummies I turned to this book with the hope of getting an easy read on the introductory science of data, but what I got was poorly stylized, boring and repetitive text with overly technical terms without defining them. Such passages are interspersed with introductions that I think should satisfy a non-tech reader, such as this: People care about things that matter to them and that affect their lives. Generally, people want to feel happy and safe. They want a full-fledged relationship. They want me to address this book with the hope of getting an easy read on the introductory science of the data, but what I got was poorly stylized, boring and repetitive text with overly technical terms without defining them. Such passages are interspersed with introductions that I think should satisfy a non-tech reader, such as this: People care about things that matter to them and that affect their lives. Generally, people want to feel happy and safe. They want a full-fledged relationship. They want good status among their peers. Really?!? What on earth should a data science book go through about how people want to feel happy and safe? It seems the author wanted this title to be too much for too many people, and it ended up being nothing to anyone. ... More Just dehydraged through it quickly. Not too deep a review I finished with this book, but I didn't finish it. I usually like books For dummies. You can read about the topic without prior knowledge without studying the topic or without experience. The authors of these books do not assume any previous knowledge quickly go to the level where you can talk to others about it. If you like the theme, you can go and read some more advanced books or sign up for an (online) class. If not, at least you know what it's about. I recently started reading TW I finished with this book, but I didn't finish it. I usually like books For dummies. You can read about the topic without prior knowledge without studying the topic or without experience. The authors of these books do not assume any previous knowledge quickly go to the level where you can talk to others about it. If you like the theme, you can go and read some more advanced books or sign up for an (online) class. If not, at least you know what it's about. I recently started reading two big data books for dummies and Data Science for Dummies at the same time. I had to stop both of them because they expect a lot of previous knowledge: mathematics, programming, machine learning, parallel computing, mathematics, statistics (advanced level), ... It was useless to try to carry on. I stopped maybe one day I'll take them again, but only after I've brushed my maths, statistics and programming and possibly read some entry-level or dummy) books about machine learning, ... Both workbooks can contain many but they are not fictitious books. If only for a data science book, you consider someone with a bachelor's, master's or PhD in computer science or mathematics, but without knowledge of the science of mannequin data. In the case of a large data book, there's just too much jargon. ... More Data Science for Dummies by Lilian Pearson is a 364-page educational book that introduces the reader to the basics of data science, delving into topics such as big data and its infrastructure, data visualization and real data science applications. This is a well-formatted book, and Pearson's use of charts, charts and paintings helps the reader further understand the material. One of my favorite sections of the book was Section 9: Following the principles of visualization and data design. Data Science for Dummies by Lilian Pearson is a 364-page educational book that introduces the reader to the basics of data science, delving into topics such as big data and its infrastructure, data visualization and real data science applications. This is a well-formatted book, and Pearson's use of charts, charts and paintings helps the reader further understand the material. One of my favorite sections of the book was Section 9: Following the principles of visualization and data design. In this section, Pearson talks about creating basic types of data visualizations, adapting them to your audience, and creating powerful visual messages using the right data graphics. I particularly liked the part when she talked about incorporating design artistry into visualizing your data, which causes an emotional response in your target audience. Throughout the book, readers can see how useful and practical the science of data can be when applied to real situations. The book certainly covers a wide variety of topics; Chapter 4, for example, speaks of machine learning, while Chapter 5 discusses maths, probability and statistical modeling. And you can go from learning how to create maps from spatial data in Chapter 13, to studying the use of Python for data science in Chapter 14. The variety of questions addressed in the book makes the text fun and interesting to read. I believe that the introductory guidance on the topic should follow two almost paradoxical rules: it should be easy enough for a beginner to understand, but also contain adjacies and engaging information for a beginner to truly learn something about the subject and establish a good basis for additional research on the subject. Fortunately, Data Science for Dummies follows both of these rules; Content is easy for a beginner to jump into, but the book is also thorough enough to really educate the reader about the science of data.*I got this book for review* ... More Book is only a general introduction about various topics in Data Engineering and Data Science. It's good for a beginner to have a quick look at in this area. About part of the workbook not only focuses on programming or statistics, but also gives very good acquaintances about the database, Microsoft Excel, visual design, data story and various sources to find Open Data. The con part is people need to find other books to further explore for any specific topics in the book there is only a general introduction about the various topics in Data Engineering and Data Science. It's good for beginners to have a quick look at domains in this area. About part of the workbook not only focuses on programming or statistics, but also gives very good acquaintances about the database, Microsoft Excel, visual design, data story and various sources to find Open Data. The con part is people should find other books to further explore for any given topics in the book. This is a good book to allow the abode to quickly understand the buzz word Data Science. What is the real value and what enters the area. Of course, it takes more effort to dive deeply into any of these topics. After all, this is the goal of a series of dummies: to give the reader a good starter. ... More It was a valiant attempt to identify and enlighten the audience on the book about what data science is. I think this has been achieved, but otherwise the book is lost in firehose presenting applications, tools and methodologies. It was too shallow to be useful and too deep to be absorbed for me. It's a good place to start if you want to further explore what to actually read or experiment with in data science. If you're curious to know what data science is, this is a good book to read. I really love how the author uses very simple words and real life examples to explain complex concepts. It also gives you some resources to help you get the skills you need if you want to become a data scientist. An amazing book that provides a holistic look at Data Science, not too technical, provides exactly what it promises! It's super technical for my stick and brain stones. I took away a general overview of how big data is generated and what people do with it, and that was basically what I was looking for. A great book to introduce to Data Science, he explains the jargon of this area briefly very good ground that the science of data and tools available at the disposal of a data analyst is a professional. A very good primer of what data science and tools are available at the disposal of a data analytics specialist. ... a clearer, simpler explanation of Data Science.Many links to public data sources and public tools. Page 2 2